



Fall 2023

Course Number	PLAN 606	Classroom	ROOM tba or Studio
Course Name	Site Planning Studio		
Pre/Co-Requisites	PLAN 602 Computer Modeling for Urban Design		
Instructors	Ashley Bodemer Dr. Youjung Kim Dr. Joseli Macedo Dr. Beverly A Sandalack	Office Hours/Location	By appointment
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Class Dates	Mondays, Tuesdays, Thursdays, Fridays 2:00 – 6:10 Mandatory class times will be Tuesdays and Fridays 2:00 – 6:10. Students are expected to work in their studio spaces for the other scheduled days.		
Instructor Email Policy	All course communications must occur through your @ucalgary email. Email is the best way to contact your instructor rather than phone.		
Name and Email of Teaching Assistant(s)	TBA. Since PLAN 606 and PLAN 602 are co-requisites, there will be some overlapping with the TAs from PLAN 602		

Course Description:

This course is an introduction to site analysis, site planning, landscape planning, and urban design. It emphasizes ideas of landscape and urban process and form, human behaviour/ built form relationships, environmental conservation, and sense of place. This is a required course for all students in the Master of Planning and the Master of Landscape Architecture programs and is the first in the series of studio core courses. The class will be split into sections composed of students from both programs, and each section will be managed and taught by one instructor. All sections will follow a common curriculum and overall format and will complete the same projects and have the same deadlines, although there may be minor differences between the sections in the detailed approach and day-to-day schedule. <https://www.ucalgary.ca/pubs/calendar/grad/current/planning-plan.html#45206>

Course Hours: 6 units; (0-8)

Course Learning Outcomes:

Upon completion of this course, students will:

1. Be aware of theories, methods, and strategies employed in physical planning and site design.
2. Understand the natural and cultural processes that are involved in the formation of the built environment.

3. Comprehend site planning as a coherent process and be able to apply this process to decision making with regard to site programming, inventory and analysis, and development, at various scales of resolution.
4. Be able to employ appropriate graphic and verbal skills to facilitate the processes of analysis, planning and design, and as a means of communicating to others.

Learning Resources:

The following are recommended as references, but are not required. Specific readings may be assigned.

American Planning Association (2006) *Planning and Urban Design Standards* (Wiley)
Bentley, Ian et al (1985) *Responsive Environments: A Manual for Designers* (Arch. Press)
Cantrell, Bradley and Wes Michaels (2010) *Digital Drawing for Landscape Architecture* (Wiley)
Davis, David and Theodore Walker (2000) *Plan Graphics* (Wiley)
English Partnerships (several printings) *The Urban Design Compendium*
Carmona, M. et al. (2003) *Public Places, Urban Spaces: The Dimensions of Urban Design*
Ching, Frank (2012) *Architectural Graphics* (Wiley)
Frederick, Mathew & Vikas Mehta (2018) *101 Things I Learned in Urban Design School* (MIT)
Hack, Gary (2018) *Site Planning: International Practice* (MIT Press)
Hough, Michael (1994) *Cities and Natural Process* (Routledge)
Jacobs, Alan B. (1993) *Great Streets* (MIT Press)
Laurie, Michael (1975) *An Introduction to Landscape Architecture* (Elsevier)
Lynch, Kevin (1981) *(A Theory of) Good City Form* (MIT Press)
Lynch, Kevin (1971) *Site Planning* (MIT Press) or later versions with Garry Hack
Marsh, Will (2010) *Landscape Planning: Environmental Applications* (5th ed) (Wiley)
McHarg, Ian (1969, reprinted 1994) *Design with Nature* (New York: Doubleday)
Newton, Norman (1971) *Design on the Land: The Development of Landscape Architecture* (Harvard Univ. Press)
Sandalack, Beverly A. & Andrei Nicolai (2006) *The Calgary Project: urban form/urban life* (Univ. of Calgary Press)

Technology requirements (D2L etc.):

Course materials and information will be posted on D2L. Students are responsible for accessing this information.

In addition to various types of hand drawing techniques taught in this class, students will be required to learn in PLAN 602 Computer Modeling the following computer skills and their uses:

- image editing software, such as Photoshop
- vector drawing software, such as Illustrator and AutoCAD
- 3D modeling software, such as SketchUp and Rhino
- desk top publishing software (for reports, posters, etc.), such as InDesign

Most computer applications required for this course will be taught in PLAN 602 Computer Modeling for Urban Design. Students are responsible for making the connections between the courses.

Presentation software, such as PowerPoint or Keynote, will also be required in Site Planning Studio; students should consult on-line tutorials if they are not familiar with the software.

Required supplies:

The materials required for the course include basic drafting and drawing tools and some simple model-making materials. In addition to the normal pens, pencils, erasers, sketch books that you may already have, the following are required for this studio:

- > roll of sketch paper (12" or 18", white or yellow)
- > metric scale
- > black felt pens - fine and medium tip

- > pencils – recommended various hardness, e.g. one hard (2H), one soft (F or HB)
- > triangles (30/60 degree)
- > tape - masking tape or Magic tape
- > eraser
- > Exacto knife
- > cutting mat (please do not cut directly on table surfaces)

Workshop Safety Training Requirement

If a course requires the use of the SAPL workshop, students must complete all online University of Calgary safety courses, the online Trajectory safety training course, as well as in-person workshop training and a grade of pass on the final evaluation project, to be granted access to the SAPL workshop. This training is offered once a year, around the start of the Fall term and has a completion deadline. In this studio, there will be two projects that require 3D physical models. Project 3 will require use of the workshop, however project 2 may be done either in the workshop or with other materials and techniques.

Additional Classroom Conduct and Related Information

This course will be taught in person. Students are expected to be in attendance for the entirety of all lectures, studio critiques and reviews which will be scheduled during class time.

Each student in SAPL has access to a dedicated studio space. This allows you to work on studio projects in the same area as other students. Protocols for studio practice will be outlined at the beginning of the semester.

Assessment Components:

Assessment Method	Description	Weight	1Aligned Course Learning Outcome
Progress and Review of assignment	P1, Good Streets, completed in pairs	35%	1,2,3,4
Progress and Review of assignment	P2, Making Space, completed individually	25%	1,2,3,4
Progress and Review of assignment	P3, Site Planning Project, completed individually	40%	1,2,3,4

Assessment and Evaluation Information

Students are expected to be in attendance for the entirety of all lectures, studio critiques and reviews, which will be scheduled during class time. Lectures, individual critiques, site visits, group discussions and reviews with your instructors will be Tuesdays and Fridays 2:00 - 6:10 pm. Students are expected to work on this course during the other two scheduled days (Mondays and Thursdays), either at home, or in your assigned studio spaces.

Students must be present for the entire class time Tuesdays and Fridays, including and in addition to any time scheduled for individual critiques. This will allow for any follow-up from the instructor and for group discussion, as may be required. If students are unable to attend any scheduled class times on Tuesday or Friday, the instructor must be informed in advance.

Students are expected to have new material prepared for each individual critique, in a format suitable for discussion, as per the requirements that will be outlined by each instructor. Normally this will include drawings, diagrams, notes, photographs, and other visual aids. The individual critiques are opportunities to discuss work in progress and will be based on the drawings and diagrams that each student develops.

Site visits will be scheduled but are not mandatory, although students strongly recommended to attend. If students are unable to attend any class site visits, alternate arrangements for visiting the site, either on your own, or through appropriate digital means, must be made with the instructor.

Reviews will be done periodically throughout the term, including at the end of each project as a way to evaluate and discuss student work. Because much learning takes place during these reviews, all students are required to be in attendance for the entire review period, even when their own work is not being discussed.

Guidelines for Submitting Assignments:

Normally, each assignment must be submitted to the studio section Dropbox folder by the specified deadline, and also as a physical, hard-copy presentation, which must be handed in and/or pinned up by the deadline specified in each project brief.

Assignments must be submitted on time, as per the instructions for each project regarding digital or physical submissions. Late submissions will be penalized as per the briefs to be handed out at the beginning of each project. There may be an opportunity to remediate late assignments. Students are required to submit written explanations for any absences or late assignments, which will then be considered by the instructors.

Expectations for Writing:

Please refer to the University of Calgary Calendar (<https://www.ucalgary.ca/pubs/calendar/current/e-2.html>)

Evaluation and Late Assignments:

Each component of the course must be completed, and a passing grade (i.e. minimum B-) achieved, in order to pass the course as a whole. (NOTE: students may be given an opportunity to remediate failing grades, and must satisfy expectations and due dates as per each remedial assignment.)

Because the studio work is evaluated during reviews, all work must be completed on time, and all students must take part in the presentations and reviews. Late pinning up/submission of material to be presented in studio reviews is not acceptable (grades will be deducted for work pinned up or submitted later than the deadline specified in the course/project brief or as discussed in class).

Work will be completed individually or in pairs. Students will receive a common grade for work done in pairs or groups, unless it is clear to the instructor that the balance of work has been unfairly distributed between team members. If a student in a pair or a group believes that the work distribution is inequitable or that there is a significant imbalance in the quality of work or level of effort, the student(s) should bring this to the attention of the instructor, in advance of the due date. The instructor will attempt to resolve the issue(s) so that the work can be completed effectively. As well, if the instructor observes a significant inequity in the distribution of work or level of effort, the instructor will discuss this with the students. In the case that any differences cannot be resolved, the students may be assigned different grades.

Evaluation will be based on reviews of the project assignments completed during the term (see schedule). Assessment will be based on the quality of work presented at reviews, and also on the basis of day-to-day performance. While the product of studio work is important, equally important is the student's ability to develop a practical, appropriate and coherent planning and design process. This planning and design process is developed on a class-to-class basis, and importantly, during individual critiques. Students are expected to be in attendance for the entirety of each class/studio period, and are required to attend all project and assignment reviews.

All assignments will be evaluated by letter grades. Final course grades will be reported as letter grades, with the final grade calculated according to the 4-point range, as per the SAPL grading scheme. There will be no final examination for this course.

Grading Scale:

Grade	Grade Point Value	4-Point Range	Percent	Description
A+	4.00	4.00	95-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	90-94.99	Excellent - superior performance showing comprehensive understanding of the subject matter
A-	3.70	3.50-3.84	85-89.99	Very good performance
B+	3.30	3.15-3.49	80-84.99	Good performance
B	3.00	2.85-3.14	75-79.99	Satisfactory performance
B-	2.70	2.50-2.84	70-74.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	65-69.99	All final grades below B- are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements.
C	2.00	1.85-2.14	60-64.99	
C-	1.70	1.50-1.84	55-59.99	
D+	1.30	1.15-1.49	50-54.99	
D	1.00	0.50-1.14	45-49.99	
F	0.00	0-0.49	0-44.99	

A student who receives a "C+" or lower in any one course will be required to withdraw regardless of their grade point average (GPA) unless the program recommends otherwise. If the program permits the student to retake a failed course, the second grade will replace the initial grade in the calculation of the GPA, and both grades will appear on the transcript

The School of Architecture, Planning and Landscape will not permit the Flexible Grade Option (CG Grade) for any course offered by the School.

<https://www.ucalgary.ca/pubs/calendar/current/f-1-3.html>

Topic Areas & Detailed Class Schedule

The course will be organized around various topics / scales, to be addressed through three projects.

Students will gain skills in site analysis and site planning, in understanding drawing conventions and graphic standards, and in producing measurable drawings and graphics that are compatible with industry practice. In addition to various types of hand drawing techniques taught in this class, students will be required to learn in EVDP 602 Computer Modeling the following computer skills and their uses as appropriate to various tasks:

- image editing software, such as Photoshop
- vector drawing software, such as Illustrator and AutoCAD
- 3D modeling software, such as SketchUp
- desk top publishing software (for reports, posters, etc.), such as InDesign
- presentation software, such as PowerPoint and Keynote

The topics that we will cover and the skills that will be acquired in PLAN 606 include:

1. Project 1: Good Streets

- understanding air photos and base maps, using the Spatial and Numerical Data Services (SANDS) and other resources
- the qualities of "good" urban form

- built form analysis (historic evolution, mapping, visual note-taking and observation)
- using built form for precedent study
- understanding scale in drawings
- drawing / understanding plan, section, elevation, and basic graphic conventions
- layout of slides/posters and graphic presentation (InDesign, Powerpoint or Keynote)
- verbal presentation skills

2. Project 2: Making Space

- how to shape space using buildings and site elements
- planning for human scale, relating to context
- understanding sun and wind and other environmental factors
- drawing in 3 dimensions - axonometric
- simple model-making

3. Project 3: Site Planning Project

- site planning - from analysis to concept
- site composition
- site analysis
- understanding site issues / constraints / opportunities, topography, slope
- mapping, diagramming
- the design process
- model-making for communication
- graphic and verbal presentation skills

Course Schedule		
Date	Topic	Assignments/Due Dates
September 5 Tuesday	Course Introduction	Intro P1 Good Streets, determine working pairs
September 8, 12, 15, 19, 22, 26,29	Site visits, desk crits, short lectures	
October 3		Review P1
October 6		Intro P2 Making Space
October 9	No classes – Thanksgiving Day	
October 10, 13, 17	Desk crits and short lectures	
October 20		Review P2
October 24		Intro P3 Site Planning Project
October 27, 31, Nov 3		Interim review P3
November 6-12	SAPL Block Week	
November 12-18	Fall term break – no classes	
November 21, 24, 28, December 1, 5	Desk crits and short lectures	
December review week - tba		Final Review P3

Special Budgetary Requirements

Please note that all studios have a mandatory supplementary fee to cover workshop costs for use and maintenance of hand tools, assorted power tools, CNC routers, laser cutters, 3D printers, and robotics. The University has approved supplemental fees for PLAN 606 Site Planning Studio of \$75.00.

University of Calgary Policies and Supports

ACADEMIC ACCOMMODATION

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The student accommodation policy can be found at: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-accommodation-policy>

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>. Students needing an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to their instructor (contact information on first page above).

SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/.

ACADEMIC MISCONDUCT

Academic Misconduct refers to student behavior which compromises proper assessment of a student's academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.

For information on the Student Academic Misconduct Policy and Procedure please visit:

<https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-policy>

Additional information is available on the Academic Integrity Website at <https://ucalgary.ca/student-services/student-success/learning/academic-integrity>.

COPYRIGHT LEGISLATION:

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy>) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorised sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy (<https://www.ucalgary.ca/pubs/calendar/current/k.html>).

INSTRUCTOR INTELLECTUAL PROPERTY

Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

SEXUAL AND GENDER-BASED VIOLENCE POLICY

The University recognizes that all members of the University Community should be able to learn, work, teach and live in an environment where they are free from harassment, discrimination, and violence. The University of Calgary's sexual violence policy guides us in how we respond to incidents of sexual violence, including supports available to those who have experienced or witnessed sexual violence, or those who are alleged to have committed sexual violence. It provides clear response procedures and timelines, defines complex concepts, and addresses incidents that occur off-campus in certain circumstances. Please see the policy available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/sexual-and-gender-based-violence-policy> .

UNIVERSITY STUDENT APPEALS OFFICE

If a student has a concern about a grade that they have received, they should refer to Section I of the Undergraduate Calendar (<https://www.ucalgary.ca/pubs/calendar/current/i-3.html>) which describes how to have a grade reappraised. In addition, the student should refer to the SAPL's Procedure for reappraisal of grades

OTHER IMPORTANT INFORMATION

Please visit the Registrar's website at: <https://www.ucalgary.ca/registrar/registration/course-outlines> for additional important information on the following:

- Wellness and Mental Health Resources
- Student Success
- Student Ombuds Office
- Student Union (SU) Information
- Graduate Students' Association (GSA) Information
- Emergency Evacuation/Assembly Points
- Safewalk